

# Contents

Foreword — V

Preface — VII

Acknowledgement — IX

## Chapter 1

**Introduction — 1**

- 1.1 Backdrop — 1
- 1.2 TBIs: Concepts, characteristics and importance — 2
- 1.3 Origin and growth of TBI movement — 5
- 1.4 TBIs in India: Origin and current status — 6
- 1.5 Current policy for TBI promotion in India — 9
- 1.6 Research objectives, scope and methodology — 11
- 1.7 Structure of the book — 13

## Chapter 2

**Technology business incubation: A global perspective — 14**

- 2.1 Introduction — 14
- 2.2 TBIs: Types and classifications — 15
- 2.3 TBIs: Goals and objectives — 18
- 2.4 TBIs: Functions and services — 21
- 2.5 TBI led process of business incubation — 24
- 2.6 TBIs: Performance assessment in terms of outcomes and achievements — 27
- 2.7 Technology business incubation for new venture creation: A theoretical perspective — 31

## Chapter 3

**Research questions and methods — 38**

- 3.1 Introduction — 38
- 3.2 Research objectives — 39
- 3.3 Scope, sampling and data collection — 39
- 3.4 Methods of data analysis — 45

## Chapter 4

**Technology business incubators in India: Structure and characteristics — 47**

- 4.1 Introduction — 47
- 4.2 TBIs: Age, management, sponsor and focus area — 47

- 4.3 TBIs: Objectives, facilities and staff strength — 53
- 4.4 TBIs: Physical space, number of seats and promotion — 58
- 4.5 Distinguishing features of institute promoted TBIs vs. industry promoted TBIs — 61
- 4.6 Distinguishing features of early stage TBIs vs. stage agnostic TBIs and tech sector focused TBIs vs. sector agnostic TBIs — 66
- 4.7 Summary — 69

## **Chapter 5**

### **Role of technology business incubators in India: Incubatee selection, incubation and start-up graduation — 71**

- 5.1 Introduction — 71
- 5.2 TBIs: Applications from prospective start-up founders (2016/17) and its determinants — 71
- 5.3 TBIs: Selection process of prospective incubatees and occupancy of incubating ventures — 79
- 5.4 TBIs: Support extended to the incubatees during the incubation process — 83
- 5.5 TBIs: Criteria for graduation and determinants of graduation — 86
- 5.6 Summary — 90

## **Chapter 6**

### **Technology business incubators in India: An assessment of performance — 92**

- 6.1 Introduction — 92
- 6.2 TBIs: R&D input contribution — 92
- 6.3 TBIs: R&D output contribution — 96
- 6.4 TBIs: Determinants of R&D contributions — 101
- 6.5 Summary — 114

## **Chapter 7**

### **Summary and conclusions — 116**

- 7.1 Backdrop — 116
- 7.2 TBIs: A global perspective — 117
- 7.3 An empirical assessment of TBI performance: Method of investigation and results — 119
- 7.4 Inferences and policy recommendations — 124
- 7.5 Major contributions — 127
- 7.6 Limitations and scope for future work — 127

**List of figures — 129**

**List of tables — 131**

**Appendix 1 — 133**

**Appendix 2 — 135**

**References — 145**

**Index — 153**